# NAVSTREETS Shapefile Samples
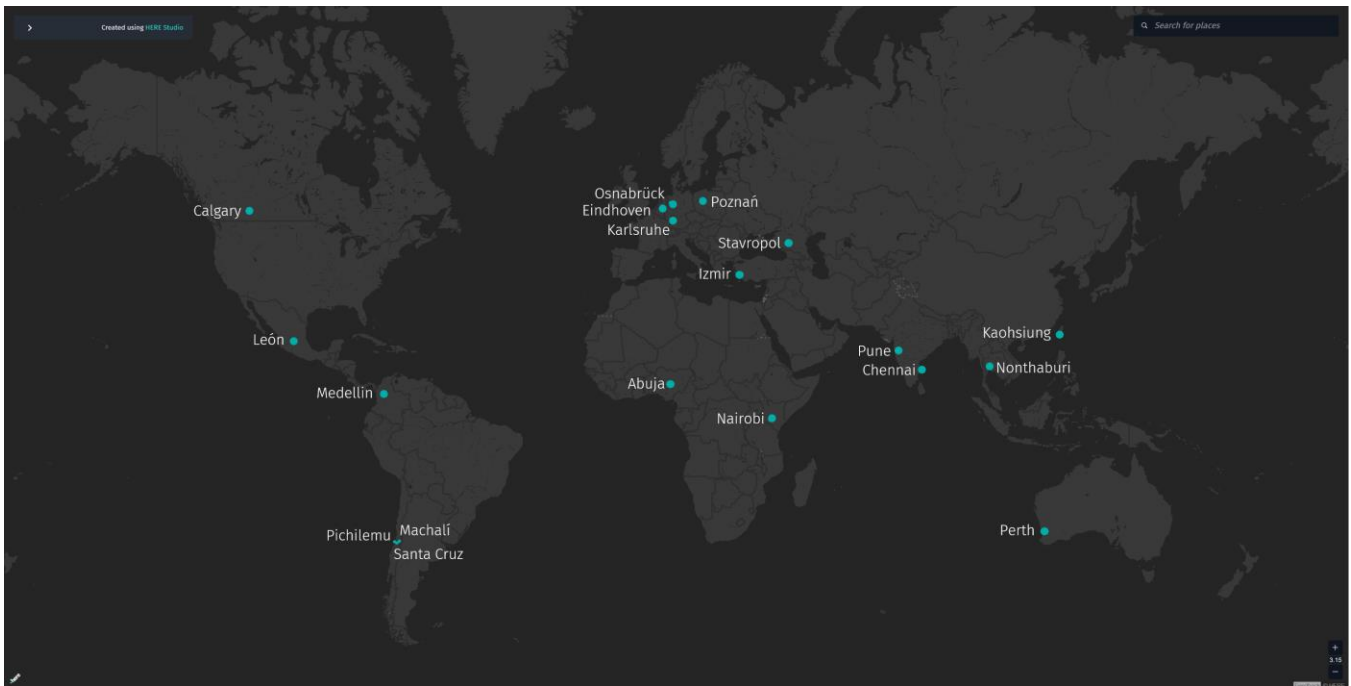
## Product Information

These release notes highlight some general information about **NAVSTREETS Shapefile Samples.**
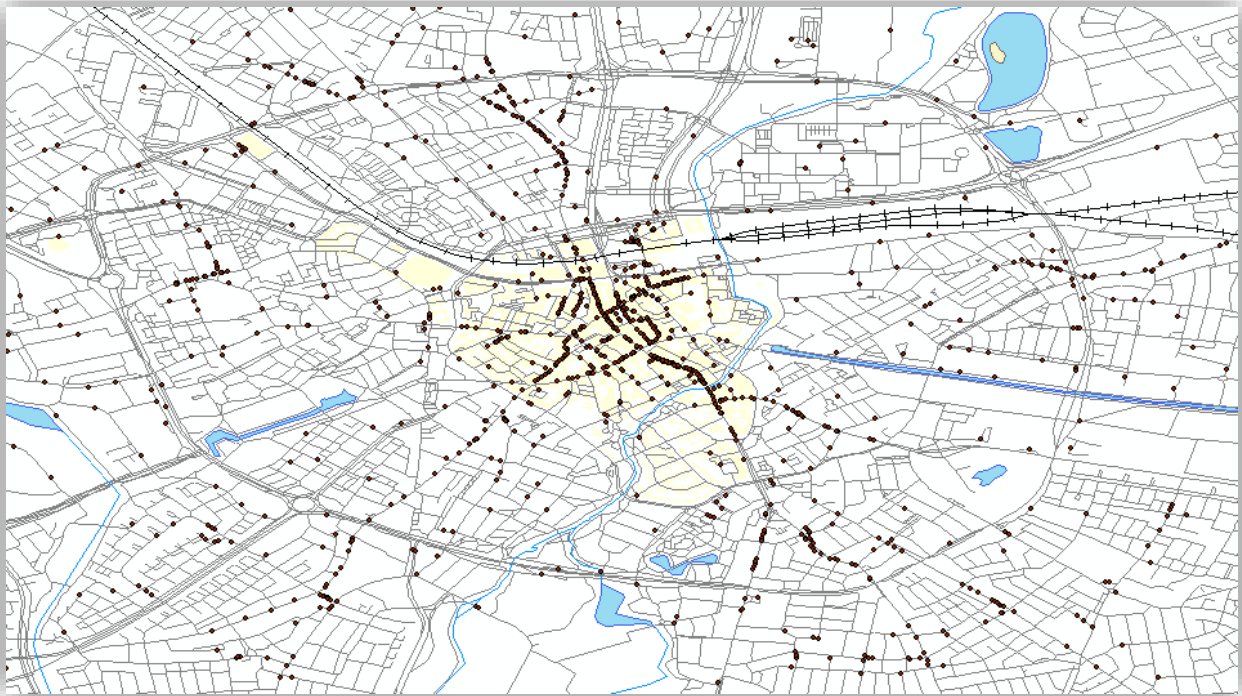
## Shapefile

The format is a popular geospatial vector data format for Geographic Information System (GIS) software. It is developed for data interoperability among GIS software products. The shapefile format can spatially describe vector features: points, lines, and polygons, representing, for example, water wells, rivers, and lakes. Each item usually has attributes that describe it.

## Provided Cities



- Australia, Perth
- Canada, Calgary
- Chile, Machalí
- Chile, Pichilemu
- Chile, Santa Cruz
- Colombia, Medellín
- Germany, Karlsruhe

- Germany, Osnabrück
- India, Chennai
- India, Pune
- Kenya, Nairobi
- Mexico, León
- Netherlands, Eindhoven
- Nigeria, Abuja

- Poland, Poznań
- Russia, Stavropol
- Taiwan, Kaohsiung
- Thailand, Nonthaburi
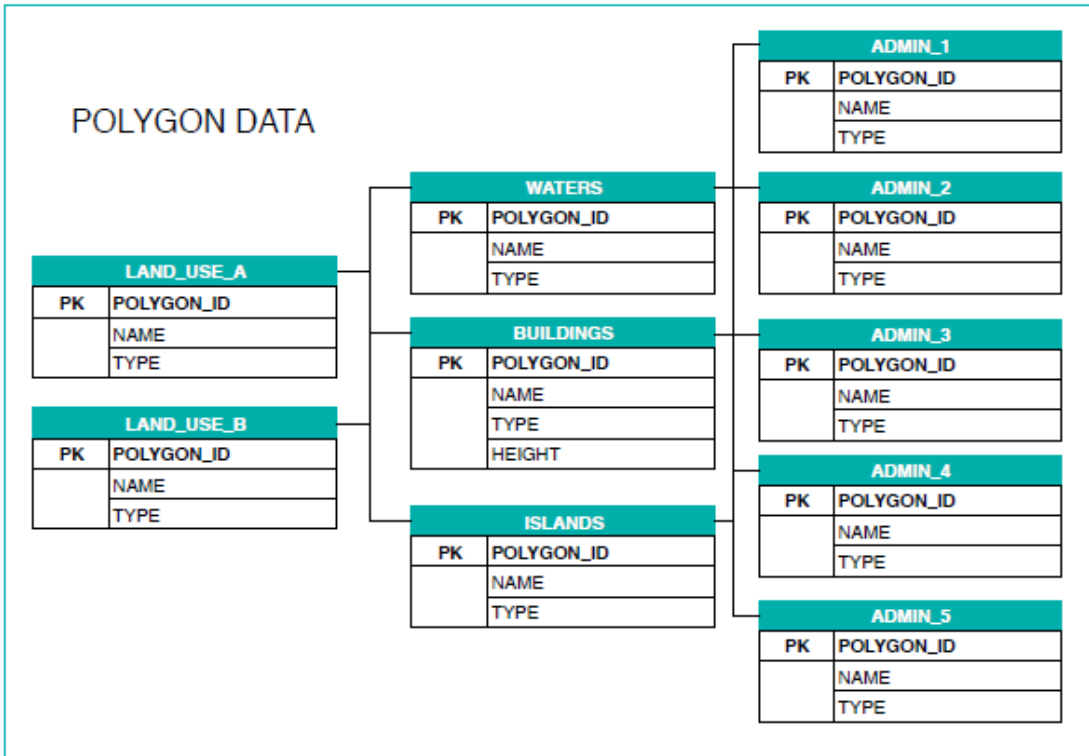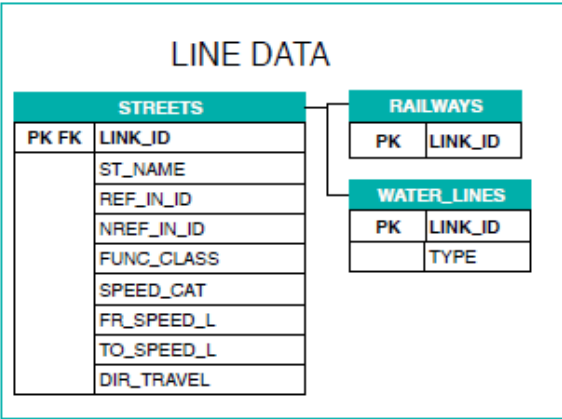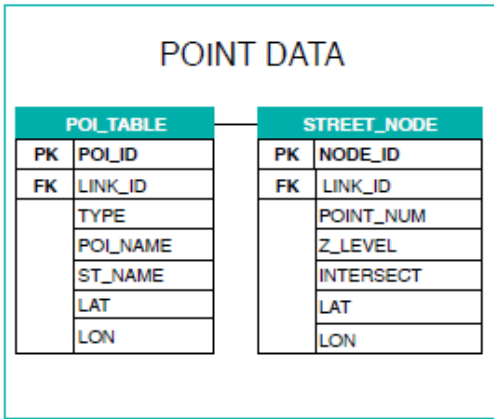- Turkey, Izmir

## Sample (Eindhoven)



## Legend

- •  T2017_EIN_POI_TABLE
- ⊢—⊢ T2017_EIN_RAILWAYS
- —— T2017_EIN_WATER_LINES
- —— T2017_EIN_STREETS
- � T2017_EIN_ISLANDS
- ▢ T2017_EIN_BUILDINGS
- ▢ T2017_EIN_WATERS
- ▢ T2017_EIN_ADMIN_4

## Shapefile schema

**HERE Student Sample Data
Shapefile**

### POINT DATA

| POI_TABLE | |
|---|---|
| PK | POI_ID |
| FK | LINK_ID |
| | TYPE |
| | POI_NAME |
| | ST_NAME |
| | LAT |
| | LON |

| STREET_NODE | |
|---|---|
| PK | NODE_ID |
| FK | LINK_ID |
| | POINT_NUM |
| | Z_LEVEL |
| | INTERSECT |
| | LAT |
| | LON |

### LINE DATA

| STREETS | |
|---|---|
| PK FK | LINK_ID |
| | ST_NAME |
| | REF_IN_ID |
| | NREF_IN_ID |
| | FUNC_CLASS |
| | SPEED_CAT |
| | FR_SPEED_L |
| | TO_SPEED_L |
| | DIR_TRAVEL |

| RAILWAYS | |
|---|---|
| PK | LINK_ID |

| WATER_LINES | |
|---|---|
| PK | LINK_ID |
| | TYPE |

### POLYGON DATA

| LAND_USE_A | |
|---|---|
| PK | POLYGON_ID |
| | NAME |
| | TYPE |

| LAND_USE_B | |
|---|---|
| PK | POLYGON_ID |
| | NAME |
| | TYPE |

| WATERS | |
|---|---|
| PK | POLYGON_ID |
| | NAME |
| | TYPE |

| BUILDINGS | |
|---|---|
| PK | POLYGON_ID |
| | NAME |
| | TYPE |
| | HEIGHT |

| ISLANDS | |
|---|---|
| PK | POLYGON_ID |
| | NAME |
| | TYPE |

| ADMIN_1 | |
|---|---|
| PK | POLYGON_ID |
| | NAME |
| | TYPE |

| ADMIN_2 | |
|---|---|
| PK | POLYGON_ID |
| | NAME |
| | TYPE |

| ADMIN_3 | |
|---|---|
| PK | POLYGON_ID |
| | NAME |
| | TYPE |

| ADMIN_4 | |
|---|---|
| PK | POLYGON_ID |
| | NAME |
| | TYPE |

| ADMIN_5 | |
|---|---|
| PK | POLYGON_ID |
| | NAME |
| | TYPE |

Schema Overview
Version 1.0
Spatial Data Center of Excellence

## Layer description

| Layer name | Description |
| --- | --- |
| POI_TABLE | POI_TABLE consist of different types of Points of Interest e.g. Educational Institutions, Restaurants, Shopping, Parkings, Hospitals etc. |
| STREET_NODE | STREET_NODE - layer needed for routing purposes |
| STREETS | STREETS – layer which includes information about functional class of a road, speed limits, direction travel |
| RAILWAYS | Geometry of railways |
| WATER_LINES | Geometry of water lines |
| LAND_USE_A | Geometry of land use A |
| LAND_USE_B | Geometry of land use B |
| WATERS | Geometry of water |
| BUILDINGS | Geometry of buildings |
| ISLANDS | Geometry of islands |
| ADMIN_1 – ADMIN_5 | Administrative boundaries at different levels |

## Database Quality

The Quality of the HERE Databases and customer satisfaction are our highest priority. To achieve this objective, we have established a comprehensive and rigorous set of quality checks and product validations. We have achieved ISO 9001 certification and apply ISO/TS 16949 best practices on the continued road to an integrated, company-wide quality management system. HERE strives to continually improve its processes, which helps the company remain the leading world class supplier of enhanced digital map products used for vehicle, consumer, business and governmental applications.

## Legal Obligations and Copyrights

This document is provided to you in confidence, for the sole purpose of providing information about the Release Notes for the provided regions; the data is intended for educational purposes only and may not be distributed. It contains confidential information and may only be used for the purpose mentioned above. Any other use may cause irreparable harm to HERE, for which you may be held responsible.